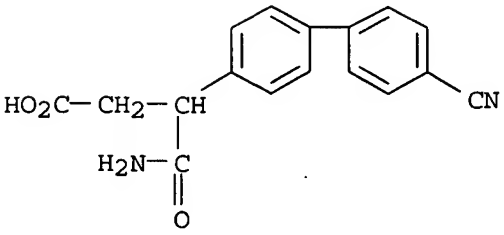
10/569812 MMP - UPDATED SEARCH REG NUMBERS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil stng

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	42.60	377.11

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-17.94

FILE 'STNGUIDE' ENTERED AT 12:32:29 ON 06 SEP 2007
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Aug 31, 2007 (20070831/UP).

=> file hcaplu

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.24	377.35

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-17.94

FILE 'HCAPLUS' ENTERED AT 12:34:50 ON 06 SEP 2007
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10/569812 MMP - UPDATED SEARCH REG NUMBERS

FILE COVERS 1907 - 6 Sep 2007 VOL 147 ISS 11
FILE LAST UPDATED: 5 Sep 2007 (20070905/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 11:55:46 ON 06 SEP 2007)

FILE 'REGISTRY' ENTERED AT 11:56:07 ON 06 SEP 2007
L1 STRUCTURE UPLOADED
L2 0 S L1
L3 19 S L1 SSS FULL
E L3 1-19 RN

FILE 'HCAPLUS' ENTERED AT 11:58:43 ON 06 SEP 2007
L4 11 S L3

FILE 'STNGUIDE' ENTERED AT 11:59:09 ON 06 SEP 2007

FILE 'STNGUIDE' ENTERED AT 12:14:21 ON 06 SEP 2007

FILE 'REGISTRY' ENTERED AT 12:19:26 ON 06 SEP 2007
L5 9 S 865233-31-4/RN OR 372082-15-0/RN OR 331430-38-7/RN OR 300589
L6 10 S 107039-93-0/RN OR 107039-92-9/RN OR 101730-69-2/RN OR 91

FILE 'HCAPLUS' ENTERED AT 12:22:05 ON 06 SEP 2007
L7 3 S L5
L8 9 S L6

FILE 'STNGUIDE' ENTERED AT 12:22:59 ON 06 SEP 2007

FILE 'HCAPLUS' ENTERED AT 12:26:31 ON 06 SEP 2007
L9 0 S US20060-235074/PN
L10 1 S US200600235074/PN

FILE 'REGISTRY' ENTERED AT 12:27:29 ON 06 SEP 2007
L11 7 S 845786-08-5/RN OR 845786-09-6/RN OR 845786-10-9/RN OR 84578
L12 13 S 845786-15-4/RN OR 845786-16-5/RN OR 845786-17-6/RN OR 845786

FILE 'STNGUIDE' ENTERED AT 12:32:29 ON 06 SEP 2007

FILE 'HCAPLUS' ENTERED AT 12:34:50 ON 06 SEP 2007

=> s l12
L13 1 L12

=> d l13 ibib abs

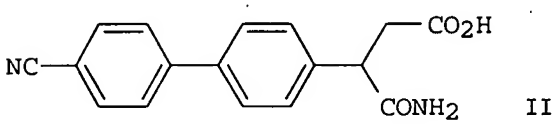
L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:158625 HCAPLUS
DOCUMENT NUMBER: 142:261292
TITLE: Preparation of (hetero)aryl-substituted succinate derivatives as matrix metalloproteinase inhibitors
INVENTOR(S): Holmes, Ian; Watson, Stephen Paul

10/569812 MMP - UPDATED SEARCH REG NUMBERS

PATENT ASSIGNEE(S): Glaxo Group Limited, UK
SOURCE: PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005016868	A2	20050224	WO 2004-EP9087	20040812
WO 2005016868	A3	20050519		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1654218	A2	20060510	EP 2004-764084	20040812
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2007502259	T	20070208	JP 2006-522996	20040812
US 2006235074	A1	20061019	US 2006-569812	20060210
PRIORITY APPLN. INFO.:			GB 2003-19069 A	20030814
			WO 2004-EP9087 W	20040812

OTHER SOURCE(S): CASREACT 142:261292; MARPAT 142:261292
GI



II

AB Title compds. represented by the formula I, R1ZQCH(R2)CH2X, [wherein R1 = (un)substituted alkyl(cycloalkyl), alkylheterocycloalkyl, alkylaryl, etc.; Z = a bond, CH2, O, S, etc.; Q = (un)substituted (hetero)aryl; X = COR3; R2 = CONH2, CO2H, sulfonylamino, etc.; R3 = OH, oxyalkyl or (un)substituted amino; with a proviso; and physiol. functional derivs. thereof] were prepared as matrix metalloproteinase (MMP) inhibitors. Coupling reaction of 4-amino-3-(4-bromophenyl)-4-oxobutanoic acid with p-nitrilephenylboronic acid gave II in 100% yield. I showed inhibition of MMP-12 with IC50 values of below 100 μM. Thus, I and their pharmaceutical compns. are useful as matrix metalloproteinase inhibitors for the treatment of inflammation or autoimmune disease (no data).

STIC STN Search 3/07
Marpat Beilstein
9/11/07

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE CONTENT: 1961-PRESENT VOL 145 ISS 17 (20061020/ED)

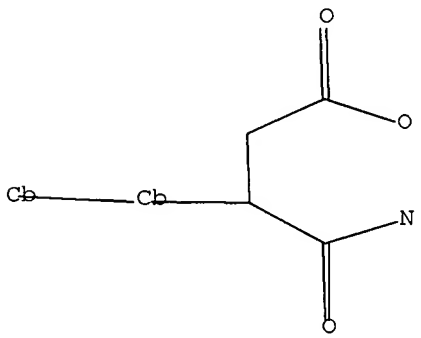
SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1961-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

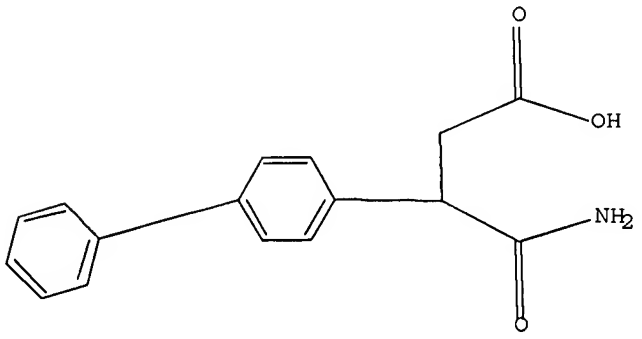
US	7108861	19 SEP 2006
DE	102005009517	31 AUG 2006
EP	1696501	30 AUG 2006
JP	2006228955	31 AUG 2006
WO	2006091896	31 AUG 2006
GB	2423301	23 AUG 2006
FR	2882363	25 AUG 2006
RU	2282647	27 AUG 2006
CA	2547866	22 AUG 2006

Expanded G-group definition display now available.

=> d que l71
L47 STR



Structure attributes must be viewed using STN Express query preparation.
L55 348 SEA FILE=MARPAT SSS FUL L47
L68 STR



Structure attributes must be viewed using STN Express query preparation.
L70 103 SEA FILE=MARPAT SUB=L55 SSS FUL L68
L71 101 SEA FILE=MARPAT ABB=ON PLU=ON L70/COM

=> d ibib abs qhit l71 81-101

L71 ANSWER 81 OF 101 MARPAT COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 124:232069 MARPAT Full-text
TITLE: Preparation of arylsulfonylaminomethylhydroxamic acids and related compounds as matrix metalloproteinase inhibitors.
INVENTOR(S): Miller, Andrew; Whittaker, Mark; Beckett, Raymond Paul
PATENT ASSIGNEE(S): British Biotech Pharmaceuticals Ltd., UK
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9535276	A1	19951228	WO 1995-GB1465	19950622
W: AU, BR, CA, CN, CZ, DE, FI, GB, HU, JP, KR, NO, NZ, PL, RU, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2193691	AA	19951228	CA 1995-2193691	19950622
CA 2193692	AA	19951228	CA 1995-2193692	19950622
AU 9527466	A1	19960115	AU 1995-27466	19950622
AU 690703	B2	19980430		
GB 2303850	A1	19970305	GB 1996-23675	19950622
GB 2303850	B2	19980610		
EP 766665	A2	19970409	EP 1995-922639	19950622
EP 766665	B1	19990728		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
CN 1151157	A	19970604	CN 1995-193714	19950622
JP 10507158	T2	19980714	JP 1995-501848	19950622
AT 182581	E	19990815	AT 1995-922639	19950622
ES 2133785	T3	19990916	ES 1995-922639	19950622
ES 2145913	T3	20000716	ES 1995-922638	19950622
PT 766664	T	20000831	PT 1995-922638	19950622
FI 9605153	A	19961220	FI 1996-5153	19961220
US 6022898	A	20000208	US 1996-765146	19961223
US 6124332	A	20000926	US 1999-243130	19990203
US 6124329	A	20000926	US 1999-343087	19990630
PRIORITY APPLN. INFO.:			GB 1994-12514	19940622
			GB 1995-6107	19950324
			WO 1995-GB1465	19950622

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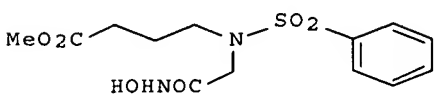
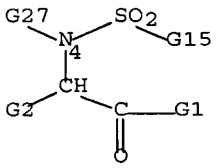


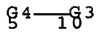
I

AB XR1CHNR2(YZ) [X = CO2H, CONHOH; R1 = (protected) amino acid side chain; R2 = Z1QW; Z1 = H, (substituted) aryl, heteroaryl, heterocyclyl, cycloalkyl, cycloalkenyl; QW = bond; or Q = O, S; W = (O-, S- or imino-interrupted) (substituted) alkylene, alkenylene; or Q = bond; Y = SO2; Z = (substituted) aryl, heteroaryl], were prepared as metalloproteinase inhibitors (no data). I and 16 similar compds. were prepared

MSTR 1



G3 = biphenylyl
G4 = alkylene <containing 1-8 C>
(opt. substd. by 1 or more G13)
G13 = CO2H / CONH2
G27 = 5



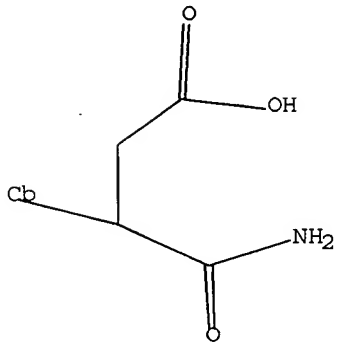
Derivative: or salts, hydrates, or solvates
Patent location: claim 1

L71 ANSWER 82 OF 101 MARPAT COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 123:227994 MARPAT Full-text
TITLE: Heterocyclic derivatives as platelet aggregation inhibitors
INVENTOR(S): Wayne, Michael Garth; Smithers, Michael James; Rayner, John Wall; Faull, Alan Wellington; Pearce, Robert James; Brewster, Andrew George; Shute, Richard Eden; Mills, Stuart Dennett; Caulkett, Peter William Rodney
PATENT ASSIGNEE(S): Zeneca Ltd., UK
SOURCE: PCT Int. Appl., 145 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9422834	A1	19941013	WO 1994-GB647	19940328

W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU,

RN 845786-27-8 HCAPLUS
CN Benzeneacetic acid, α-(2-amino-2-oxoethyl)-4-(2-cyclohexylethoxy)-
(9CI) (CA INDEX NAME)



L82 ANSWER 5 OF 55 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:756696 HCAPLUS Full-text
DOCUMENT NUMBER: 141:260561
TITLE: A preparation of focused library of quinolinecarboxylic acid derivatives, useful as caspase enzyme inhibitors
INVENTOR(S): Ivashchenko, Alexander Vasilievich; Kobak, Vladimir Vasilievich; Kysil, Volodymyr Mikhailovich; Kuzovkova, Yulia Aleksandrovna; Ilyin, Alexey Petrovich; Kravchenko, Dmitri Vladimirovich; Tkachenko, Sergey Yevgenievich; Khvat, Alexander Viktorovich; Okun, Ilya Matusovich
PATENT ASSIGNEE(S): Chemical Diversity Research Institute, Ltd., Russia
SOURCE: PCT Int. Appl., 182 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004078731	A1	20040916	WO 2004-RU81	20040303 <--

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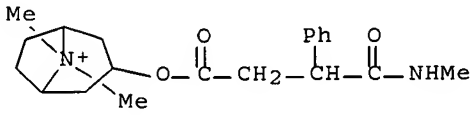
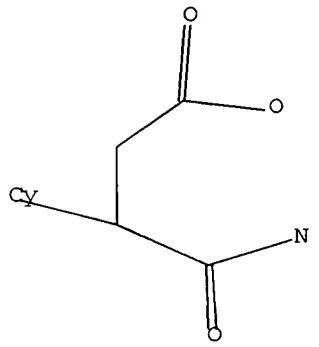
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

RN 752223-92-0 HCAPLUS
CN Butanediamide, N4-hydroxy-N1-[(1S)-1-(hydroxymethyl)-2,2-dimethylpropyl]-2-[3-[4-(4-pyridinyl)phenyl]-1-pyrrolidinyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 752224-07-0 HCAPLUS
CN Butanediamide, 2-(3-[1,1'-biphenyl]-4-yl-1H-pyrrol-1-yl)-N1-hydroxy-N4-[1-(methoxymethyl)-2-phenylethyl]- (9CI) (CA INDEX NAME)

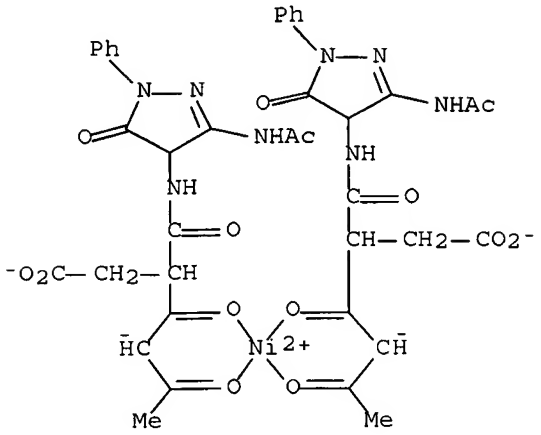


IT *141907-41-7, Matrix metalloproteinase*
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibitors; inhibitors of hepatitis C virus)
RN 141907-41-7 HCAPLUS
CN Proteinase, matrix metallo- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

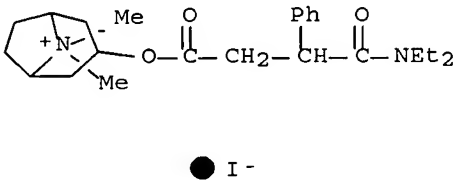
L82 ANSWER 7 OF 55 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:652634 HCAPLUS Full-text
DOCUMENT NUMBER: 141:174087
TITLE: Preparation of fused azabicyclic compounds that inhibit vanilloid receptor subtype 1 (VR1)
INVENTOR(S): Lee, Chih-Hung; Bayburt, Erol K.; Didomenico, Stanley; Drizin, Irene; Gomtsyan, Arthur R.; Koenig, John R.; Perner, Richard J.; Schmidt, Robert G.; Turner, Sean C.; White, Tammie K.; Zheng, Guo Zhu
PATENT ASSIGNEE(S): Abbott Laboratories, USA
SOURCE: U.S. Pat. Appl. Publ., 93 pp., Cont.-in-part of U.S. Ser. No. 364,210.
CODEN: USXXCO
DOCUMENT TYPE: Patent

Absolute stereochemistry.



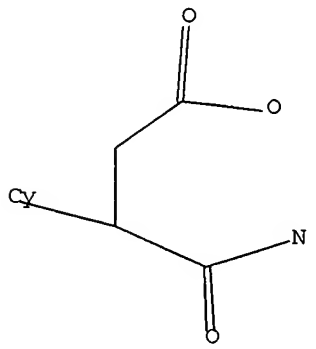
RN 725238-84-6 HCAPLUS
CN Butanedioic acid, [6-chloro-1,4-dihydro-1-[(5-methyl-2-furanyl)methyl]-2,4-dioxo-3(2H)-quinazolinyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



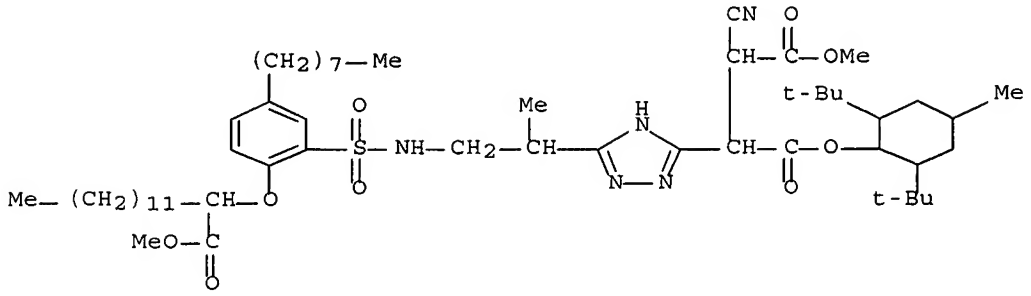
RN 725238-85-7 HCAPLUS
CN Butanedioic acid, [1-(2-furanylmethyl)-1,4-dihydro-6-(methylsulfonyl)-2,4-dioxo-3(2H)-quinazolinyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



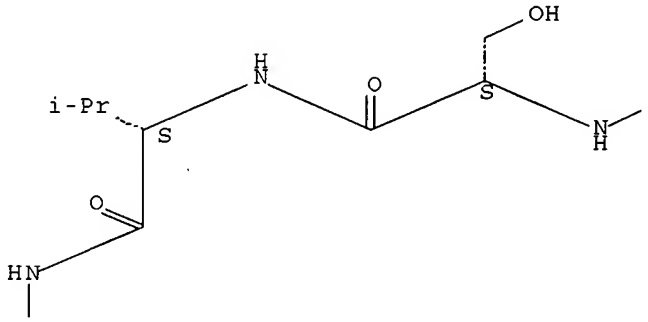
RN 725238-86-8 HCAPLUS

(methylsulfinyl)phenyl]methylene]- (9CI) (CA INDEX NAME)



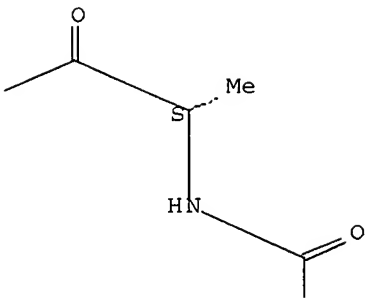
RN 700362-95-4 HCAPLUS

CN Benzeneacetic acid, α-[2-[[1-carboxy-3-(methylsulfinyl)propyl]amino]-2-oxoethyl]-4-(2-methylpropyl)- (9CI) (CA INDEX NAME)



RN 700362-96-5 HCAPLUS

CN 1H-Indole-3-acetic acid, α-[2-[[1-carboxy-3-(methylsulfinyl)propyl]amino]-2-oxoethyl]-1-(4-chlorobenzoyl)-5-methoxy- (9CI) (CA INDEX NAME)



L82 ANSWER 10 OF 55 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:368857 HCAPLUS Full-text
DOCUMENT NUMBER: 140:386000
TITLE: Compounds, compositions and methods for modulating fat metabolism for treatment of metabolic disorders
INVENTOR(S): Gaudriault, Georges; Kilinc, Ahmet; Bousquet, Olivier; Goupil-Lamy, Anne; Harosh, Itzik
PATENT ASSIGNEE(S): Obetherapy Biotechnology, Fr.
SOURCE: PCT Int. Appl., 461 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004037159	A2	20040506	WO 2003-IL860	20031023 <--
WO 2004037159	A3	20040715		
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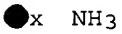
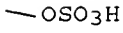
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003274652	A1	20040513	AU 2003-274652	20031023 <--
PRIORITY APPLN. INFO.:			US 2002-420316P P	20021023 <--
			WO 2003-IL860 W	20031023 <--

OTHER SOURCE(S): MARPAT 140:386000
AB Methods and compns. of identifying candidate compds., for modulating fat metabolism and/or inhibiting Apobec-1 activity are provided. The invention relates to compds. and pharmaceutical compns. which are useful for regulating fat metabolism and can be used for treatment of diseases and disorders

Absolute stereochemistry.

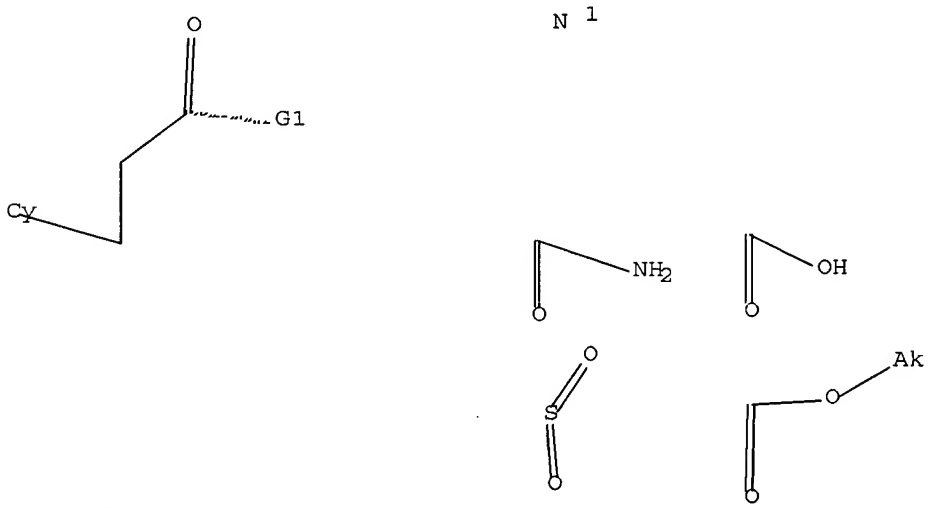
PAGE 1-B





RN 205807-59-6 HCAPLUS
CN Butanediamide, N1-[(1S)-2,2-dimethyl-1-[(methylamino)carbonyl]propyl]-N4-hydroxy-3-(hydroxymethyl)-4-(4-methoxyphenyl)-, (2S,3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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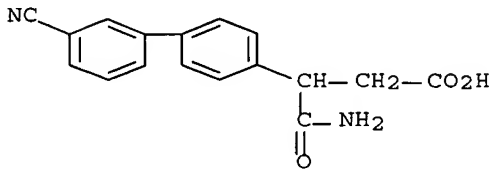
REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L82 ANSWER 24 OF 55 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:315563 HCAPLUS Full-text
DOCUMENT NUMBER: 137:56988
TITLE: β-Aryl-Succinic Acid Hydroxamates as Dual Inhibitors of *Matrix Metalloproteinases* and Tumor Necrosis Factor Alpha Converting Enzyme

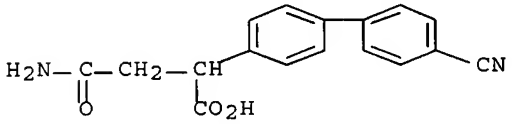
pyridinylamino)carbonyl]propyl]amino]carbonyl]-, (βR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



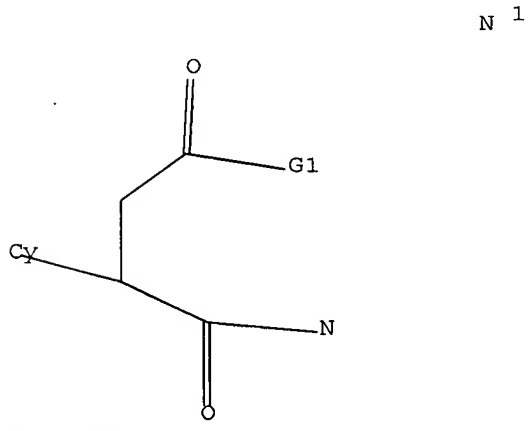
RN 256645-54-2 HCAPLUS

CN 1H-Pyrrole-1-propanoic acid, 3-[1,1'-biphenyl]-4-yl-β-[[[1-(hydroxymethyl)-2-phenylethyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 256645-63-3 HCAPLUS

CN 1H-Pyrrole-1-propanoic acid, 3-[1,1'-biphenyl]-4-yl-β-[[[1-(methoxymethyl)-2-phenylethyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



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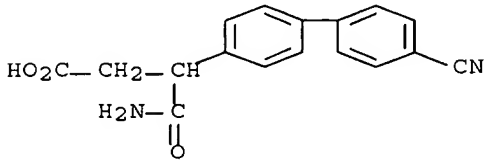
RN 256645-64-4 HCAPLUS

CN 1H-Pyrrole-1-propanoic acid, 3-[1,1'-biphenyl]-4-yl-β-[[hydroxy[1-(methoxymethyl)-2-phenylethyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

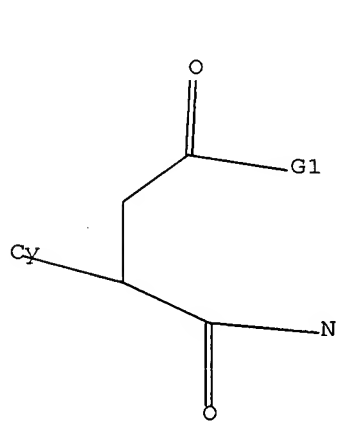
RN 247047-69-4 HCAPLUS
CN 8-Azaspiro[4.5]decane-8-butanoic acid, α-[(1S)-2,3-dihydro-1H-inden-1-yl]-γ-oxo-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 247047-70-7 HCAPLUS
CN 8-Azaspiro[4.5]decane-8-butanoic acid, α-[(1S)-6-acetyl-2,3-dihydro-1H-inden-1-yl]-γ-oxo-, (αR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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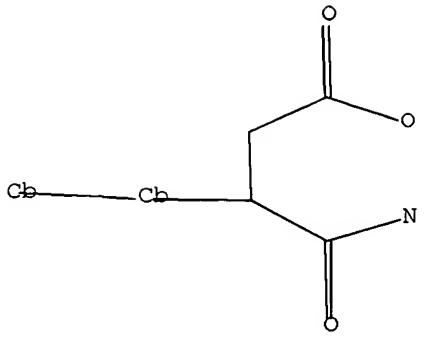
RN 247047-71-8 HCAPLUS
CN 8-Azaspiro[4.5]decane-8-butanoic acid, α-[(1S)-2,3-dihydro-6-(1-hydroxyethyl)-1H-inden-1-yl]-γ-oxo-, (αR)- (9CI) (CA INDEX NAME)

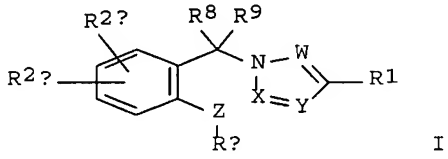
Absolute stereochemistry.



RN 247047-72-9 HCAPLUS

CN 8-Azaspiro[4.5]decane-8-butanoic acid, α-[(1S)-6-benzoyl-2,3-dihydro-1H-inden-1-yl]-γ-oxo-, (αR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

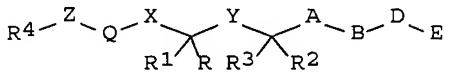


I

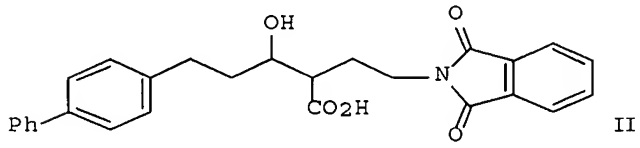
RN 247047-73-0 HCAPLUS

CN 8-Azaspiro[4.5]decane-8-butanoic acid, α-[(1S)-2,3-dihydro-6-(hydroxyphenylmethyl)-1H-inden-1-yl]-γ-oxo-, (αR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



I

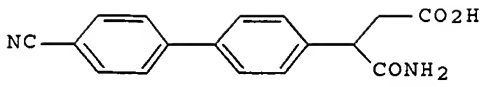


II

RN 247047-74-1 HCAPLUS

CN 8-Azaspiro[4.5]decane-8-butanoic acid, α-[(1R)-2,3-dihydro-1H-inden-1-yl]-γ-oxo-, (αR)- (9CI) (CA INDEX NAME)

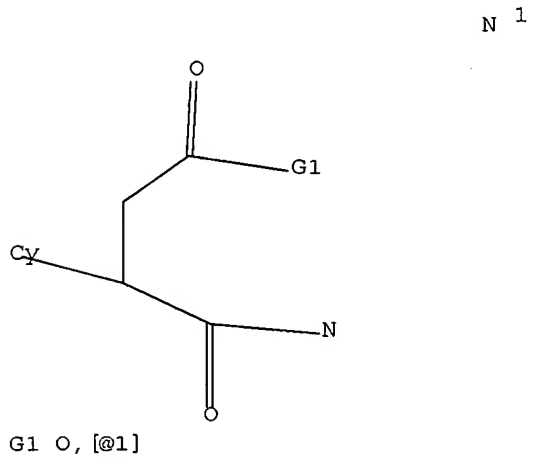
Absolute stereochemistry. Rotation (-).



II

RN 247047-75-2 HCAPLUS
CN 8-Azaspiro[4.5]decane-8-butanoic acid, α-[(1R)-2,3-dihydro-1H-inden-1-yl]-γ-oxo-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



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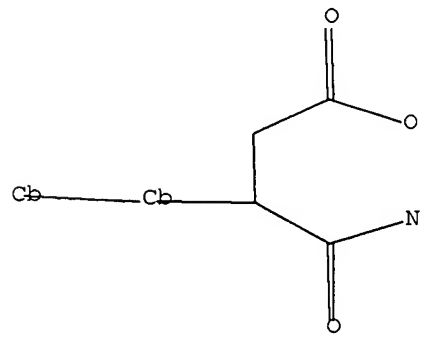
RN 247047-76-3 HCAPLUS
CN 1-Piperidinebutanoic acid, α-[(1R)-2,3-dihydro-1H-inden-1-yl]-4,4-dimethyl-γ-oxo-, (αR)-rel- (9CI) (CA INDEX NAME)

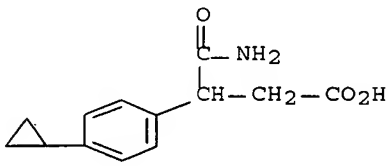
Relative stereochemistry.



RN 247047-77-4 HCAPLUS
CN 1-Piperidinebutanoic acid, α-[(1R)-2,3-dihydro-1H-inden-1-yl]-4,4-dimethyl-γ-oxo-, (αS)-rel- (9CI) (CA INDEX NAME)

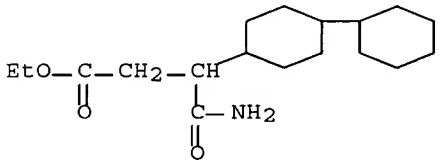
RN 247047-81-0 HCAPLUS
CN 1-Piperidinebutanoic acid, α-[(1R)-2,3-dihydro-1H-inden-1-yl]-4-methyl-γ-oxo-, calcium salt, (αS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



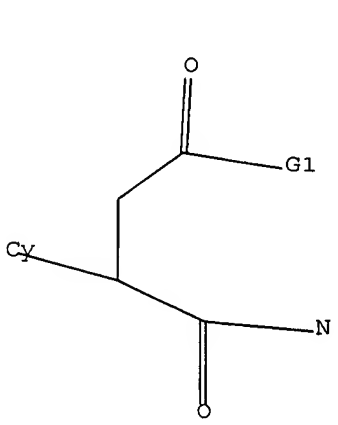
RN 247047-82-1 HCAPLUS
CN 1-Piperidinebutanoic acid, α-[(1S)-2,3-dihydro-1H-inden-1-yl]-4-methyl-γ-oxo-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 247047-83-2 HCAPLUS
CN 1-Piperidinebutanoic acid, α-[(1S)-2,3-dihydro-1H-inden-1-yl]-4-methyl-γ-oxo-, calcium salt, (αR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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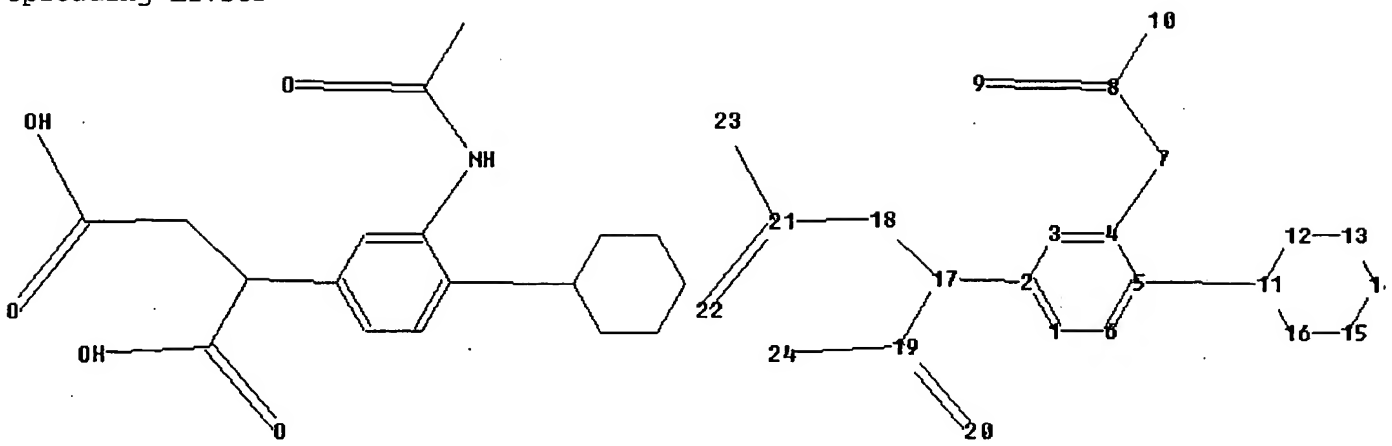

chain nodes :
7 8 9 10 17 18 19 20 21 22 23 24
ring nodes :
1 2 3 4 5 6 11 12 13 14 15 16
chain bonds :
2-17 4-7 5-11 7-8 8-9 8-10 17-18 17-19 18-21 19-20 19-24 21-22 21-23

ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 15-16
exact/norm bonds :
4-7 7-8 8-9 11-12 11-16 12-13 13-14 14-15 15-16
exact bonds :
2-17 5-11 8-10 17-18 17-19 18-21
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 19-20 19-24 21-22 21-23

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:CLASS
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22:CLASS 23:CLASS 24:CLASS

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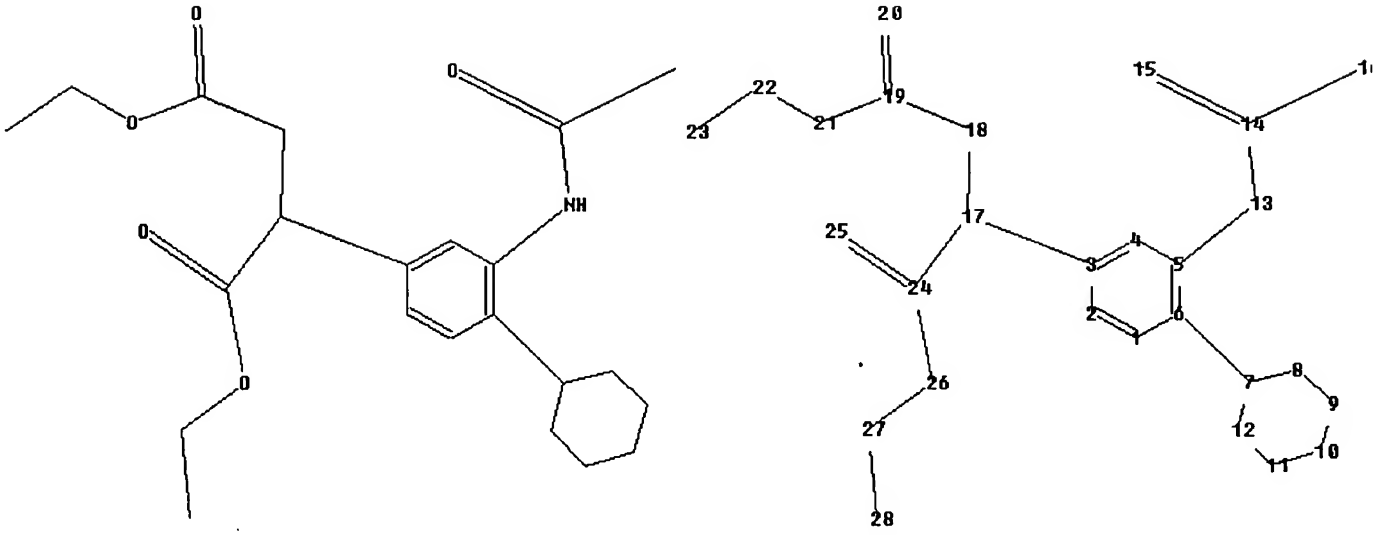

chain nodes :
13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
3-17 5-13 6-7 13-14 14-15 14-16 17-18 17-24 18-19 19-20 19-21 21-22 22-23
24-25 24-26 26-27 27-28
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
5-13 7-8 7-12 8-9 9-10 10-11 11-12 13-14 14-15 19-20 19-21 21-22 24-25 24-26 26-27
exact bonds :
3-17 6-7 14-16 17-18 17-24 18-19 22-23 27-28
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS

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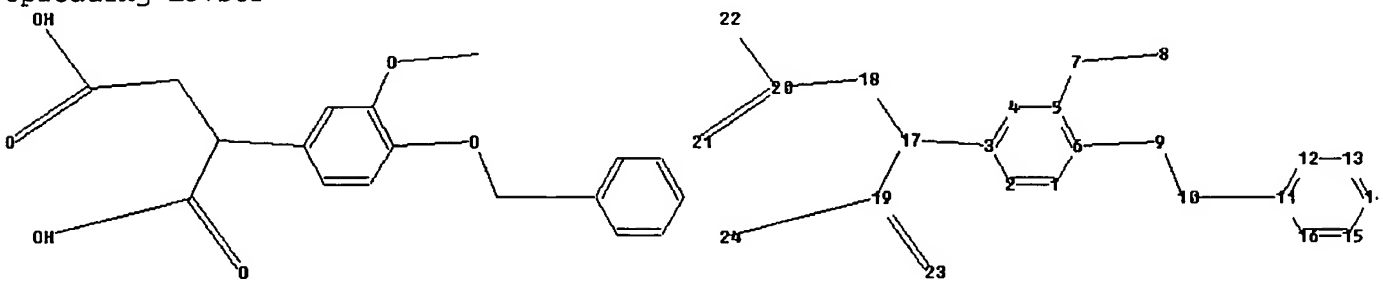

chain nodes :
7 8 9 10 17 18 19 20 21 22 23 24
ring nodes :
1 2 3 4 5 6 11 12 13 14 15 16
chain bonds :
3-17 5-7 6-9 7-8 9-10 10-11 17-18 17-19 18-20 19-23 19-24 20-21 20-22

ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 15-16
exact/norm bonds :
5-7 6-9 7-8 9-10
exact bonds :
3-17 10-11 17-18 17-19 18-20
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 15-16 19-23 19-24
20-21 20-22

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
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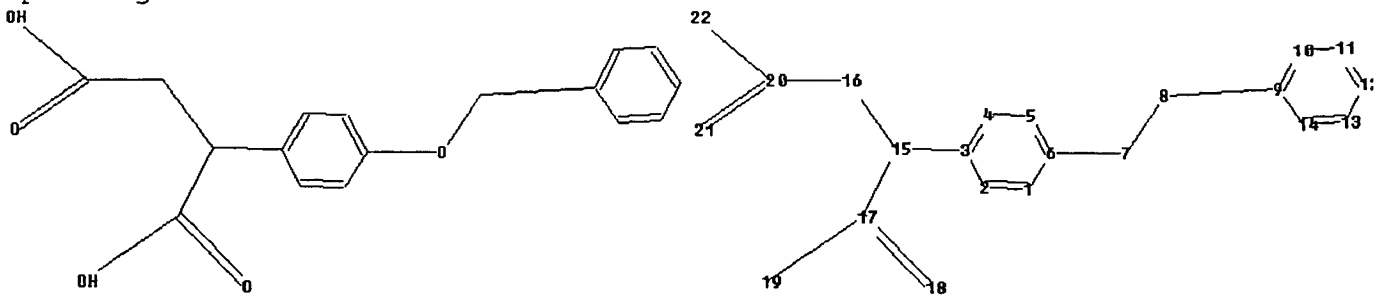

chain nodes :
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ring nodes :
1 2 3 4 5 6 9 10 11 12 13 14
chain bonds :
3-15 6-7 7-8 8-9 15-16 15-17 16-20 17-18 17-19 20-21 20-22
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-14 10-11 11-12 12-13 13-14
exact/norm bonds :
6-7 7-8
exact bonds :
3-15 8-9 15-16 15-17 16-20
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-14 10-11 11-12 12-13 13-14 17-18 17-19
20-21 20-22

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom 10:Atom